

# **Institute of Medicine Committee on Personal Protective Equipment for Workplace Safety and Health 2005-2012**

The Institute of Medicine formed its standing Committee on Personal Protective Equipment for Workplace Safety and Health in 2005. The creation of this committee was in response to a request from the National Personal Protective Technology Laboratory (NPPTL), a division of the National Institute for Occupational Safety and Health (NIOSH), with the purpose of providing a forum for discussion of scientific and technical issues relevant to the development, certification, deployment, and use of personal protective equipment, standards and related systems to ensure workplace safety and health.

This group provides liaison and oversight to ad hoc study committees requested by NIOSH and approved by the Institute of Medicine and the National Academies as well as coordinates with other Academies' activities. Listed below is a record of past meetings and topics of discussion from 2005-2012.

## **Meetings**

### **November 2005, Washington, DC**

- Charge to the standing committee by NPPTL staff
- Overview of NPPTL's mission, research, and portfolio of work

### **March 2006, Washington, DC**

- Overview of standards development organizations (ASTM, ANSI, ISO, NFPA)
- Discussion of potential workshops

### **June 2006, Pittsburgh, PA**

- Tour of NPPTL labs and discussion of NPPTL research
- Discussion of workshop on PPE and healthcare workers

### **October 2006, Washington, DC**

- Exploration of a systems approach for PPE certification and approval
- Discussed the roles of various government agencies and private sector standards setting and certification organizations

### **October 2007, Washington, DC**

- Discussion of the report on healthcare workers, pandemic influenza, and PPE report – discussion with CDC, Joint Commission, SHEA, SEIU, Medline, 3M, OSHA
- Discussion of next steps for NPPTL in this area

### **May 2008, Woods Hole, MA**

- Discussion of PPT surveillance with state and academic epidemiologic researchers and staff

### **October 2008, Washington, DC**

- Discussion of the NIOSH response to the PPT evaluation report
- Focus on cost-effectiveness research and on organizational management approaches

### **March 2009, Pittsburgh, PA**

- Participated in the NPPTL stakeholder meeting
- Discussion of PPT Program gaps
- Focused on the relationship between extramural/intramural research at NIOSH

### **November 2009, Washington, DC**

- Discussion on NIOSH priorities with the NIOSH Director
- Discussion regarding new studies – certification and flu update studies

- **March 2010, Pittsburgh, PA**
- Participates in the NPPTL stakeholder meeting
- Discussion on challenges and strategic directions

**March 2011, Pittsburgh, PA**

- Participated in the NPPTL stakeholder meeting – March 29<sup>th</sup>
- Workshop on Respiratory Protection Curriculum for Occupational Health Nursing Programs – March 30<sup>th</sup>

**August 2011, Washington, DC**

- Discussion on NORA and NPPTL's Involvement in NORA
- Focus on research to consensus standards development
- Update and discussion on NPPTL's new research projects

**December 2011, Washington, DC**

- Updates on the two recently released IOM letter reports
- Discussion on PPT conformity assessment and standards setting

**March 2012, Pittsburgh, PA**

- Participated in the NPPTL stakeholder meeting

**July 2012, Washington, DC**

- Discussion on communicating the value of prevention
- Update on health care worker respirator strategies
- Update on conformity assessment efforts
- Discussion on product registration options for respirators

**Reports from Related IOM Ad Hoc Studies**

2006: *Reusability of Facemasks During an Influenza Pandemic: Facing the Flu*  
<http://books.nap.edu/catalog/11637.html>

2007: *Measuring Respirator Use in the Workplace*  
<http://books.nap.edu/catalog/11799.html>

*Assessment of the NIOSH Head-and-Face Anthropometric Survey of U.S. Respirator Users*  
<http://books.nap.edu/catalog/11815.html>

2008: *The Personal Protective Technology Program at NIOSH*  
[http://www.nap.edu/catalog.php?record\\_id=12203](http://www.nap.edu/catalog.php?record_id=12203)

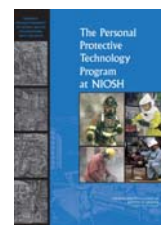
*Preparing for an Influenza Pandemic: Personal Protective Equipment for Healthcare Workers*  
[http://www.nap.edu/catalog.php?record\\_id=11980](http://www.nap.edu/catalog.php?record_id=11980)

2009: *Respiratory Protection for Healthcare Workers in the Workplace Against Novel H1N1 Influenza A: A Letter Report*  
[http://www.nap.edu/catalog.php?record\\_id=12748](http://www.nap.edu/catalog.php?record_id=12748)

2010: *Certifying Personal Protective Technologies: Improving Worker Safety*  
[http://www.nap.edu/catalog.php?record\\_id=12962](http://www.nap.edu/catalog.php?record_id=12962)

2011: *Preventing Transmission of Pandemic Influenza and Other Viral Respiratory Diseases: Personal Protective Equipment for Healthcare Personnel Update 2010*  
[http://www.nap.edu/catalog.php?record\\_id=13027](http://www.nap.edu/catalog.php?record_id=13027)

*Occupational Health Nurses and Respiratory Protection: Improving Education and Training: Letter Report*  
[http://www.nap.edu/catalog.php?record\\_id=13183](http://www.nap.edu/catalog.php?record_id=13183)



**COMMITTEE ON PERSONAL PROTECTIVE EQUIPMENT  
FOR WORKPLACE SAFETY AND HEALTH**

**ROSTER (as of 10/1/2012)**

**Linda Hawes Clever, M.D.**  
Chief, Occupational Health  
California Pacific Medical Center

**Charles Austin, M.S.**  
Staff Industrial Hygienist  
Sheet Metal Occupational Health Institute Trust

**Roger L. Barker, Ph.D.**  
Professor  
North Carolina State University

**Robert R. Bass, M.D.**  
Executive Director  
Maryland Institute for Emergency  
Medical Services Systems

**Robert Cohen, M.D.**  
Chairman, Division of  
Pulmonary Medicine/Critical Care and Occupational  
Medicine  
Stroger Hospital of Cook County

**Barbara DeBaun, R.N., M.S.N., C.I.C.**  
Advisor  
Bay Area Patient Safety Collaborative

**David M. DeJoy, Ph.D.**  
Professor  
College of Public Health  
University of Georgia

**Sundaresan Jayaraman, Ph.D.**  
Professor  
School of Materials Science and Engineering  
Georgia Institute of Technology

**James S. Johnson, Ph.D., CIH, QEP**  
Consultant, JSJ and Associates

**Melissa A. McDiarmid, M.D., M.P.H., D.A.B.T.**  
Director, Occupational Health Program  
University of Maryland School of Medicine

**Knut Ringen, Dr.P.H.**  
Independent Consultant, Seattle, WA

**M. E. Bonnie Rogers, Dr.P.H., M.P.H.**  
Director, Occupational Health Nursing Program  
Associate Professor  
School of Public Health  
University of North Carolina, Chapel Hill

**Anugrah Shaw, Ph.D.**  
Professor  
University of Maryland, Eastern Shore

**Daniel K. Shipp**  
President, International Safety Equipment  
Association

**James Tacci, MD**  
Manager, Medical Services  
Xerox Corporation

IOM Project Staff  
**Cathy Liverman**, Project Director  
**Andrea Schultz**, Program Officer  
**Judy Estep**, Program Associate